



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Declaration for Patent Application

As a named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**SYSTEM AND METHODS FOR PROCESSING LARGE DATASETS**

the specification of which (check one)

☐ is attached hereto.

☒ was filed on October 31, 2003 as United States Application Serial No.: 10/701,167

and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is known by me to be material to patentability as defined in 37 C.F.R. §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed:

<u>Prior Foreign Application(s)</u>			Priority Not Claimed	Certified Copy Filed?	
				YES	NO
_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	[ ]	[ ]	[ ]
_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	[ ]	[ ]	[ ]
_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	[ ]	[ ]	[ ]

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

\_\_\_\_\_  
(Application Number) (Filing Date)

\_\_\_\_\_  
(Application Number) (Filing Date)

- 2 -

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose information known by me to be material to patentability as defined in 37 C.F.R. §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
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(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Barry W. Chapin, Esq.	Reg. No. 39,934
David E. Huang, Esq.	Reg. No. 39,229
Christine M. Kuta, Esq.	Reg. No. 38,001
Jeffrey J. Duquette, Esq.	Reg. No. 45,487
Christopher J. Lutz, Esq.	Reg. No. 44,883
Paul P. Kriz, Esq.	Reg. No. 45,752

of Chapin & Huang, L.L.C., Westborough Office Park, 1700 West Park Drive, Westborough, Massachusetts 01581 and

John M. Gunther	Reg. No. 26,175
Leanne J. Fitzgerald	Reg. No. 40,606
Krishnendu Gupta	Reg. No. 37,977
William R. Clark	Reg. No. 29,523
Penelope S. Wilson	Reg. No. 29,751
Robert Kevin Perkins	Reg. No. 36,634

of EMC Corporation, 176 South Street, Hopkinton, Massachusetts 01748.

I also hereby grant additional Powers of Attorney to all of the above-identified attorney(s) and/or agent(s) to file and prosecute an international application under the Patent Cooperation Treaty based upon the above-identified application, including a power to meet all designated office requirements for designated states.

Please send correspondence to: Barry W. Chapin, Esq.

Chapin & Huang, L.L.C. Westborough Office Park, 1700 West Park Drive, Westborough, MA 01581


Direct telephone calls to: Barry W. Chapin, Esq. Telephone No.: 508-366-9600

Direct facsimiles to: Barry W. Chapin, Esq. Facsimile No.: 508-616-9805

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

- 3 -

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Full name of sole inventor orfirst joint inventor Christopher A. ChaulkInventor's Signature Date 3/2/2004Residence 3 Farm Pond Lane, Franklin, MA 02038Citizenship United States of AmericaPost Office Address Same as above

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Full name of second joint

inventor, if any Udi Bar-On

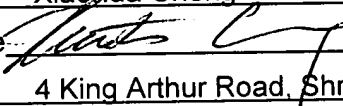
Inventor's Signature \_\_\_\_\_

Date \_\_\_\_\_

Residence 461 Arborway, Jamaica Plain, MA 02130Citizenship IsraelPost Office Address Same as above

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Full name of third joint

inventor, if any Xiaohua ChengInventor's Signature Date 3/2/2004Residence 4 King Arthur Road, Shrewsbury, MA 01545Citizenship Peoples Republic of ChinaPost Office Address Same as above

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Declaration for Patent Application**RECEIVED**

As a named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name, **MAY 24 2004**

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 5 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

EMC CORPORATION  
Intellectual Property  
Department  
One Cambridge Center  
Cambridge, MA 02142  
Legal Department

**SYSTEM AND METHODS FOR PROCESSING LARGE DATASETS**

the specification of which (check one)

☐ is attached hereto.☒ was filed on October 31, 2003 as United States Application Serial No.: 10/701,167

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\_\_\_\_\_  
(Application Number) (Filing Date)\_\_\_\_\_  
(Application Number) (Filing Date)

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(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
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of Chapin & Huang, L.L.C., Westborough Office Park, 1700 West Park Drive, Westborough, Massachusetts 01581 and

John M. Gunther	Reg. No. 26,175
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William R. Clark	Reg. No. 29,523
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Robert Kevin Perkins	Reg. No. 36,634

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---

Full name of sole inventor or

first joint inventor Christopher A. Chaulk

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence 3 Farm Pond Lane, Franklin, MA 02038

Citizenship United States of America

Post Office Address Same as above

---

Full name of second joint

inventor, if any Udi Bar-On

Inventor's Signature  Date 5/22/04

Residence 461 Arborway, Jamaica Plain, MA 02130

Citizenship Israel

Post Office Address Same as above

---

Full name of third joint

inventor, if any Xiaohua Cheng

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence 4 King Arthur Road, Shrewsbury, MA 01545

Citizenship Peoples Republic of China

Post Office Address Same as above


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-2-

representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

**AND**, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

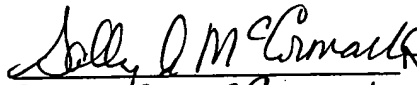
**IN TESTIMONY WHEREOF**, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor:   
Christopher A. Chaulk

State/Commonwealth  
of Massachusetts  
County of Middlesex

Then personally appeared before me the above-named Christopher A. Chaulk and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 3 day of March, 2004.

(SEAL)

 Notary Public  
Sally A McCormack (print name)  
My Commission expires 10/3/08

**Sally A. McCormack, Notary Public**  
**My Commission Expires Oct. 3, 2008**

-3-

Inventor: \_\_\_\_\_  
Udi Bar-On

State/Commonwealth  
of \_\_\_\_\_  
County of \_\_\_\_\_

Then personally appeared before me the above-named Udi Bar-On  
and acknowledged that he/she executed the foregoing instrument as  
his/her free act and deed this \_\_\_\_ day of \_\_\_\_\_, 2004.

(SEAL)

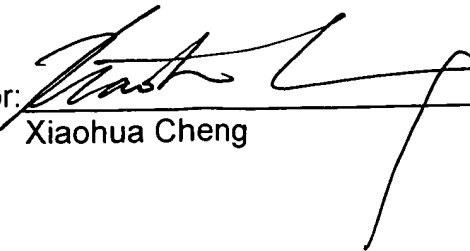
\_\_\_\_\_  
\_\_\_\_\_  
My Commission expires \_\_\_\_ / \_\_\_\_ / \_\_\_\_

Notary Public

(print name)



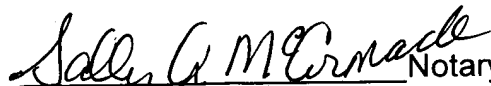
-4-

Inventor:   
Xiaohua Cheng

State/Commonwealth  
of Massachusetts  
County of Middlesex

Then personally appeared before me the above-named Xiaohua Cheng  
and acknowledged that he/she executed the foregoing instrument as  
his/her free act and deed this 5 day of March, 2004.

(SEAL)

 Notary Public  
Sally A. McCormack (print name)  
My Commission expires 10/3/08

**Sally A. McCormack, Notary Public**  
**My Commission Expires Oct. 3, 2008**